Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/11/2019 11:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125149	0	1.53	125202	1.55
Blue	F	SSC	125000	123661	-2	1.37	124449	1.41
Blue	E	FITC	16122	15745	-3	2.63	343	19.42
Blue	D	PE	29316	28810	-2	1.81	626	14.19
Blue	B	PerCP-Cy5-5	42590	41881	-2	3.63	1130	19.86
Blue	A	PE-Cy7	33146	33182	0	5.87	635	39.86
Red	C	APC	45473	44611	-2	2.38	1581	11.94
Red	A	APC-Cy7	31961	30936	-4	2.33	825	11.86
Violet	B	V450	7914	7624	-4	4.25	437	13.30
Violet	A	V500	29769	28789	-4	4.06	672	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21362	3.49	606	6	N/A	N/A	Pass
Blue	F	SSC	56216	0.97	551	13	N/A	N/A	Pass
Blue	E	FITC	62	67.07	539	2	0.0237	307	Pass
Blue	D	PE	130	51.12	541	4	0.2078	401	Pass
Blue	B	PerCP-Cy5-5	208	49.06	642	4	0.0095	72	Pass
Blue	A	PE-Cy7	118	97.59	696	5	0.0113	12	Pass
Red	C	APC	376	25.10	585	6	0.0253	172	Pass
Red	A	APC-Cy7	182	28.70	561	5	0.0057	1125	Pass
Violet	B	V450	73	55.35	464	4	0.0483	2104	Pass
Violet	A	V500	101	34.21	476	4	0.0227	893	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.68	-32.34	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.01	13.60 - 20.40	N/A	N/A	29.90	30.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10579

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments